

Shri Shivaji Education Society Amravati's Science
College Congress Nagar, Nagpur
POPULAR SCIENCE LECTURE




ORGANIZED BY

DEPARTMENT OF BOTANY
IN ASSOCIATION WITH

IWSA, WGRC and Department of Microbiology, Shivaji Science College,
Nagpur

25 January 2025

REPORT



POPULAR SCIENCE LECTURE

ORGANIZED BY
IWSA
IN ASSOCIATION WITH
WGRC, DEPT. OF MICROBIOLOGY & BOTANY
SHIVAJI SCIENCE COLLEGE, NAGPUR

TOPIC
**MICROSCOPY : A KEY TO UNDERSTATING THE
MICROSCOPIC WORLD**

Resource Person:
Dr. Anuradha Nerurkar
Professor of Microbiology (retd), Dept. of Microbiology & Biotechnology, The Maharaja Sayajirao University ,Vadodara Gujarat


Organizer & Chairperson
Dr. O. S. Deshmukh
Principal

Conveners
Dr. Seema Somalwar (IWSA)
Prof. Yogita Meshram (WGRC)
Dr. Pranita Gulhane (Microbiology)
Dr. Reshma Sonwalkar (Botany)

Lecture Highlights

Objective:
Discover the hidden world through microscopy, revealing life at a cellular and molecular level. Learn how powerful techniques unlock new scientific insights. Join us to explore the microscopic realm's impact on technology and research.

Scope
Microscopy enables the study of tiny structures beyond the naked eye, unlocking insights into biology, materials, and medicine. It's essential for advancing research and technological innovations.



DISCOVER THE HIDDEN WORLD AND UNLOCK THE FUTURE OF SCIENCE WITH MICROSCOPY!

Date : 25/01/2025 | Time: 12:30 PM
Venue : C-3, Dept. of Physics

The Guest Lecture on "Microscopy: A Key to Understanding the Microscopic World" was organized by the Botany, Shivaji Science College, Nagpur in collaboration with Indian Women

Scientists' Association (IWSA) , WGRC and Department of Microbiology Shivaji Science College, Nagpur on January 25, 2025. The session aimed to provide insights into the role of microscopy in scientific research, exploring its applications in biology, medicine, and material science. The **resource person for the lecture was Dr. Anuradha Nerurkar, a retired Professor of Microbiology from The Maharaja Sayajirao University, Vadodara, Gujarat.** Dr. Nerurkar, with her vast experience in microbiology and biotechnology, delivered an enlightening talk on the significance of microscopy in understanding life at a cellular and molecular level.

The event was **chaired by Dr. O. S. Deshmukh, Principal of Shivaji Science College,** and was coordinated by **Dr. Seema Somalwar (IWSA), Prof. Yogita Meshram (WGRC), Dr. Pranita Gulhane (Microbiology), and Dr. Reshma Sonwalkar (Botany).** Their collective efforts ensured the smooth execution of the program. Dr. Nerurkar began the session by explaining how microscopy has revolutionized science by allowing researchers to study microscopic structures beyond what the human eye can see. She elaborated on different types of microscopes, including **light microscopy, electron microscopy, and fluorescence microscopy,** and discussed their applications in medical diagnostics, biotechnology, and nanotechnology. The lecture highlighted how microscopic techniques are crucial for discovering **new medical treatments, understanding disease mechanisms, and advancing research in various scientific fields.**

The session focused on the **importance of microscopy in research and innovation,** providing participants with valuable knowledge about modern techniques and developments. Dr. Nerurkar Madam shared practical applications of microscopy in **biomedical research, material science, and environmental studies,** inspiring students and faculty members to explore this fascinating field further. The event concluded with an interactive **Q&A session,** where students actively engaged with the speaker, asking questions about recent advancements in microscopy.

Overall, the guest lecture was **highly informative and thought-provoking,** enriching the understanding of the microscopic world and its impact on science and technology. The initiative by **IWSA and Shivaji Science College** was greatly appreciated, as it provided a platform for young minds to explore cutting-edge scientific techniques. The program ended with a **vote of thanks,** expressing gratitude to **Dr. Anuradha Nerurkar, the organizers, and the participants** for their valuable contributions in making the event a success.



Dr. Reshma P. Sonwalkar

CONVENER

Assistant Professor
Department of Botany
SSES Am't's Science College,
Congress Nagar, Nagpur-12.



Prof. P.S. Tiwari

HOD

Professor and Head
Department of Botany,
SSES Am't's Science College,
Congress Nagar, Nagpur-12



Action Taken Report

The Department of Botany, Shivaji Science College, Nagpur, in collaboration with the Indian Women Scientists' Association (IWSA), WGRC, and the Department of Microbiology, organized a guest lecture on "**Microscopy: A Key to Understanding the Microscopic World**" on **January 25, 2025**. The session, conducted by **Dr. Anuradha Nerurkar**, a retired Professor of Microbiology from **The Maharaja Sayajirao University, Vadodara**, aimed to enhance participants' knowledge of microscopy and its applications in biology, medicine, and material science. Dr. Nerurkar explained the evolution of microscopy, covering various types, including **light, electron, and fluorescence microscopy**, and their role in scientific research and diagnostics. The lecture also highlighted the practical applications of microscopy in **biomedical research, biotechnology, and nanotechnology**, inspiring students and faculty to explore this field further. The event concluded with an interactive Q&A session, where students actively participated. The program was successfully executed under the coordination of **Dr. Seema**

Somalwar (IWSA), Prof. Yogita Meshram (WGRC), Dr. Pranita Gulhane (Microbiology), and Dr. Reshma Sonwalkar (Botany), with the support of Dr. O. S. Deshmukh, Principal of the college. The lecture was well-received and provided valuable insights into modern scientific techniques.

Popular Science Lecture
Microscopy: ~~Microbiology~~
Attendance sheet 25/02/25

Sr No.	Name of the Student	Class	Signature
1	Bhavesh S. Khebragade	B.Sc. II nd year	BK
2	Riya D. Bisen	B.Sc. II nd year	Riya
3	Sanjwani A. Dabkhar	B.Sc. II nd year	Sanjwani
4	Yashaswi P. Kolhe	B.Sc. II nd year	Yashaswi
5	Leena B. Gholse	B.Sc. II nd year	Leena
6	Tejani N. Hadge	B.Sc. II nd year	Tejani
7	Jyargi Jarode	B.Sc. II nd year	Jarode
8	Nayan Datarakar	B.Sc. II nd year	Nayan
9	Munsi Binetkar	B.Sc. II nd year	Binetkar
10	Gauri Bhalakar	B.Sc. II nd year	Bhalakar
11	Manasvi Borkar	B.Sc. II nd year	Borkar
12	Shreyasha Borkar	B.Sc. II nd year	Borkar
13	Ketki Bhagwat	B.Sc. II nd year	Bhagwat
14	Shreya Jenekar	B.Sc. II nd year	Jenekar
15	Sonali Lande	B.Sc. II nd year	Lande
16	Khushi Anmadwan	B.Sc. II nd year	Khushi
17	Saurabh Kamane	B.Sc. II nd year	Kamane
18	Shantanu Singh Shukhankar	B.Sc. II nd year	Shukhankar
19	Vinay Rajendra Budhe	B.Sc. II nd year	Budhe
20	Isha Ambulkar	B.Sc. II nd year	Ambulkar
21	Surebhi Dahat	B.Sc. II nd year	Dahat
22	Shrutti R. Jain	B.Sc. II nd year	Shrutti
23	Shrutti R. Bote	B.Sc. II nd year	Bote
24	Kastik V. Kadu	B.Sc. II nd year	Kastik
25	Greyc E. Jiwane	B.Sc. 3 rd year	Jiwane
26	Arpita K. Gajbhiye	B.Sc. 3 rd year	Gajbhiye
27	Nikita B. Ingole	B.Sc. 3 rd year	Ingole
28	Tarupti D. Ambele	B.Sc. 3 rd year	Ambele
29	Chetna K. Dalvi	B.Sc. 3 rd year	Chetna
30	Komal S. Kamble	B.Sc. 3 rd year	K.S. Kamble
31	Rushali G. Stugal	B.Sc. 3 rd year	Stugal

25/01/25

Sr. No.	Name of the student	Class	Signature
32)	Vaideshi Anasane	Bsc 3 rd year	vgauv
33)	samiksha khot	Bsc 3 rd year	zant
34)	Hareshada Chikhalkar	BSC 3 rd year	(H. Shinde)
35)	Yashika Bagde	B.Sc. 3 rd year	Pragati
36)	Kanika Ishwarskar	BSC 3 rd year	Kanika
37)	Sneha Kulkarni	BSC 3 rd year	S. Kulkarni
38)	Gauri Kale	Bsc 3 rd year	G. Kale
39)	Shravani Kalankar	Bsc 3 rd year	Shruti
40)	Dushant Borke	Bsc 3 rd year	Dushant
41)	ARPI KAMBE	BSC 3 rd yr	Arpita
42)	Anushree Ghosh	BSC 1 st year	Anushree
44)	Rizain Nawaz	BSC 1 st year	Rizain
45)	Kritika Singh	Bsc 1 st year	Kritika
46)	Nazia Parveen	BSC 1 st year	Nazia
47)	Anusha Zubiyar	BSC 1 st year	Anusha
48)	Vaideshi welonkiwar	Bsc 1 st year	Vaideshi
49)	Jankari Dharpure	Bsc 1 st year	Jankari
50)	Medha S. Palliwale	Bsc 1 st year	Medha
51)	shreya Chaudhari	BSC 2 nd year	Shreya
52)	Anjali R. Sahu	BSC 1 st year	Anjali
53)	Saniya N. Dongre	BSC 1 st year	Saniya Dongre
54)	Sandhya Singh	BSC 1 st year	Sandhya
55)	Jana P. Patil	BSC 1 st year	Jana
56)	Deepam. M. Vadega	Bsc 2 nd 1 st year	v. deepam
57)	Sauvabh. J. Dongre	B.Sc 2 nd 1 st year	Sauvabh
59)	AKhil. K. Bhatte	B.Sc 1 st year	Akhil
60)	Saniya V. Ramteke	BSC 1 st year	Saniya
61)	Simran Kaur Bawa	BSC 1 st year	Simran
62)	Garqi Kamaskar	BSC 1 st year	Garqi
63)	Aishwarya Wakade	BSC 1 st year	Aishwarya
64)	Mulmal kade	BSC 1 st year	Mulmal

Sr no.	NAME OF STUDENT	CLASS	Signature
65.	Sheetal Marepalli	BSC 1 st year	Sheetal
66.	Harshili Kumbade	BSC 1 st year	Harshili
67.	Taini Meshram	BSC 1 st year	Taini
68.	Sanskarti Motghare	BSC 1 st year	Sanskarti
69.	phalguni J. more	BSC 1 st year	phalguni
70.	Neha. P. Ashthkar	B.Sc 1 st year	Neha
71.	Saloni S. Patle	BSC 1 st year	Saloni
72.	Samidha. Y. Nagdeve	BSC 1 st year	Samidha
73.	Vaishnavi Karade	BSC 1 st year	Vaishnavi
74.	Purva Khamankar	BSC 1 st year	Purva

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YOUVA

Date:

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FEEDBACK FORM

B I U

GUEST LECTURE ON TOPIC- MICROSCOPY A KEY TO UNDERSTAND THE MICROSCOPIC WORLD

This form is automatically collecting emails from all respondents. [Change settings](#)

STUDENT NAME *

Short answer text

CLASS *

Short answer text

MOBILE NO *

Short answer text

Q1. Was the topic relevant to your field of study/work? *

- YES
 NO

Q2. How well was the topic explained? *

- EXCELLENT
 GOOD
 SATISFACTORY

Q3. How engaging was the speaker? *

- EXCELLENT
 GOOD
 SATISFACTORY

Q4. How would you rate the presentation materials (slides, images, videos, etc.)? *

- EXCELLENT
 GOOF
 SATISFACTORY

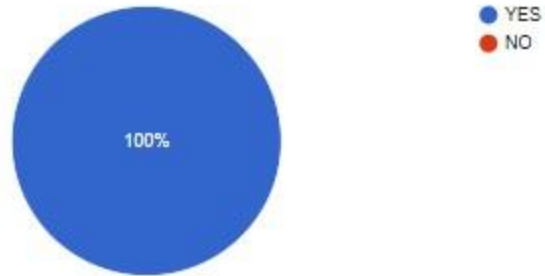
Q5. Did the lecture enhance your understanding of microscopy? *

- YES
 NO

Q1. Was the topic relevant to your field of study/work?

 Copy chart

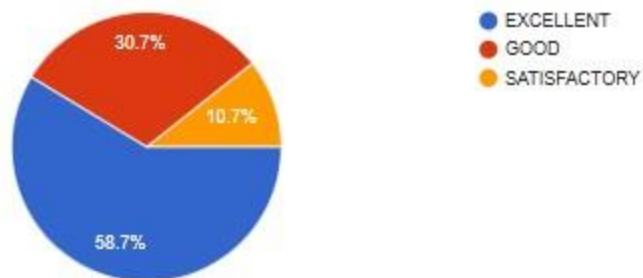
75 responses



Q2. How well was the topic explained?

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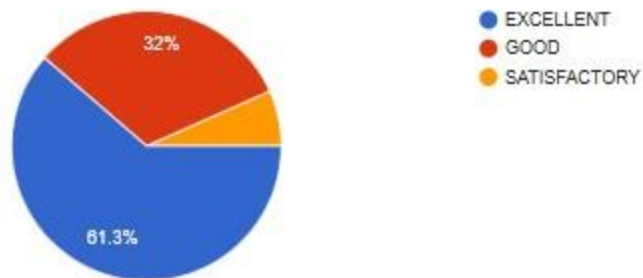
75 responses



Q3. How engaging was the speaker?

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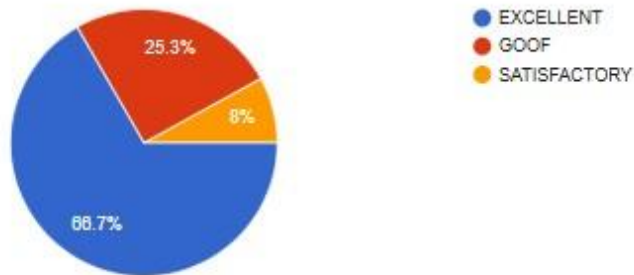
75 responses



Q4. How would you rate the presentation materials (slides, images, videos, etc.)?

 Copy chart

75 responses



Q5. Did the lecture enhance your understanding of microscopy?

 Copy chart

75 responses



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